

# APPENDIX A

LOCUS NM\_010684 2265 bp mRNA linear ROD 11-MAY-2008

DEFINITION Mus musculus lysosomal-associated membrane protein 1 (Lamp1), mRNA.

ACCESSION NM\_010684

VERSION NM\_010684.2 GI:113195677

KEYWORDS .

SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi; Muroidea; Muridae; Murinae; Mus.

REFERENCE 1 (bases 1 to 2265)

AUTHORS Chamberlain,C.E., Jeong,J., Guo,C., Allen,B.L. and McMahon,A.P.

TITLE Notochord-derived Shh concentrates in close association with the apically positioned basal body in neural target cells and forms a dynamic gradient during neural patterning

JOURNAL Development 135 (6), 1097-1106 (2008)

PUBMED 18272593

REFERENCE 2 (bases 1 to 2265)

AUTHORS Zou,Y., Wang,H., Shapiro,J.L., Okamoto,C.T., Brookes,S.J., Lyngstadaas,S.P., Snead,M.L. and Paine,M.L.

TITLE Determination of protein regions responsible for interactions of amelogenin with CD63 and LAMP1

JOURNAL Biochem. J. 408 (3), 347-354 (2007)

PUBMED 17708745

REMARK GeneRIF: LAMP1 binds amelogenin through residues 226-251

REFERENCE 3 (bases 1 to 2265)

AUTHORS Binker,M.G., Cosen-Binker,L.I., Terebiznik,M.R., Mallo,G.V., McCaw,S.E., Eskelinen,E.L., Willenborg,M., Brumell,J.H., Saftig,P., Grinstein,S. and Gray-Owen,S.D.

TITLE Arrested maturation of Neisseria-containing phagosomes in the absence of the lysosome-associated membrane proteins, LAMP-1 and LAMP-2

JOURNAL Cell. Microbiol. 9 (9), 2153-2166 (2007)

PUBMED 17506821

REMARK GeneRIF: Data show that cells lacking either LAMP-1 or LAMP-2 alone formed phagosomes that gradually acquired microbicidal activity and curtailed bacterial growth, but LAMP-1 and LAMP-2 double-deficient cells failed to kill engulfed Neisseria gonorrhoeae.

REFERENCE 4 (bases 1 to 2265)

AUTHORS Abba,M.C., Fabris,V.T., Hu,Y., Kittrell,F.S., Cai,W.W., Donehower,L.A., Sahin,A., Medina,D. and Aldaz,C.M.

TITLE Identification of novel amplification gene targets in mouse and human breast cancer at a syntenic cluster mapping to mouse ch8A1 and human ch13q34

JOURNAL Cancer Res. 67 (9), 4104-4112 (2007)

PUBMED 17483321

REFERENCE 5 (bases 1 to 2265)  
AUTHORS Huynh,K.K., Eskelinen,E.L., Scott,C.C., Malevanets,A., Saftig,P.  
and Grinstein,S.  
TITLE LAMP proteins are required for fusion of lysosomes with  
phagosomes  
JOURNAL EMBO J. 26 (2), 313-324 (2007)  
PUBMED 17245426  
REMARK GeneRIF: LAMP proteins are required for fusion of lysosomes with  
phagosomes.

REFERENCE 6 (bases 1 to 2265)  
AUTHORS Dardik,A., Smith,R.M. and Schultz,R.M.  
TITLE Colocalization of transforming growth factor-alpha and a  
functional epidermal growth factor receptor (EGFR) to the inner cell mass  
and preferential localization of the EGFR on the basolateral surface  
of the trophectoderm in the mouse blastocyst  
JOURNAL Dev. Biol. 154 (2), 396-409 (1992)  
PUBMED 1426645

REFERENCE 7 (bases 1 to 2265)  
AUTHORS Granger,B.L., Green,S.A., Gabel,C.A., Howe,C.L., Mellman,I. and  
Helenius,A.  
TITLE Characterization and cloning of lgp110, a lysosomal membrane  
glycoprotein from mouse and rat cells  
JOURNAL J. Biol. Chem. 265 (20), 12036-12043 (1990)  
PUBMED 2142158

REFERENCE 8 (bases 1 to 2265)  
AUTHORS Arterburn,L.M., Earles,B.J. and August,J.T.  
TITLE The disulfide structure of mouse lysosome-associated membrane  
protein 1  
JOURNAL J. Biol. Chem. 265 (13), 7419-7423 (1990)  
PUBMED 2332434

REFERENCE 9 (bases 1 to 2265)  
AUTHORS Cha,Y., Holland,S.M. and August,J.T.  
TITLE The cDNA sequence of mouse LAMP-2. Evidence for two classes of  
lysosomal membrane glycoproteins  
JOURNAL J. Biol. Chem. 265 (9), 5008-5013 (1990)  
PUBMED 2318880

REFERENCE 10 (bases 1 to 2265)  
AUTHORS Heffernan,M., Yousefi,S. and Dennis,J.W.  
TITLE Molecular characterization of P2B/LAMP-1, a major protein target  
of a metastasis-associated oligosaccharide structure  
JOURNAL Cancer Res. 49 (21), 6077-6084 (1989)  
PUBMED 2676155

COMMENT VALIDATED REFSEQ: This record has undergone validation or  
preliminary review. The reference sequence was derived from  
AA154440.1, BC049097.1, AK159376.1 and AI120997.1.  
On Aug 24, 2006 this sequence version replaced gi:7106338.

/translation="MAAPGARRPLLLLLLAGLAHGASALFEVKNNGTTCIMASFSASF

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LQFGMNASSSLFFLQGVRLNMTLPDALVPTFSISNHSLKALQATVGNSYKCNTEEHIF  
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